



ROYAL

ADHESIVES & SEALANTS

**Flooring & Textile
Auxiliary Chemicals**





SPECIALTY CHEMICALS FOR INDUSTRIAL AND CONSUMER PRODUCTS

Royal Adhesives and Sealants draws from its wealth of resources to deliver quality chemical compounds for a broad spectrum of industries and applications. Our experience in polymer synthesis spans over four decades, providing a strong foundation for progressive research and product development efforts as well as advance manufacturing technologies and specialized service capabilities.

Royal Adhesives and Sealants is committed to producing quality, environmentally conscious products that best serve our customer's needs. While we are capable of producing large volumes of standard formulations, we also excel in developing unique solutions for customers. Listening to customers needs and finding truly innovative ways to achieve results beyond their expectations is a driving force in our business. Through the years we have developed strong business relationships with large and small companies in automotive, apparel, home furnishings and floor covering industries.

Isn't it time you discover what Royal Adhesives and Sealants could do for your business?

PRIMARY FOAMERS

Product	Active	CFTA/Chemical Name	Typical Applications
Stanfax 29	18	Potassium Laurate	Principal foaming agent for gelled natural/SBR latex rubber foams.
Stanfax 234	29.5	Sodium Lauryl Sulfate	All purpose foamer compatible with many different latex systems. Compatible with most anionic, non-ionic, and amphoteric surfactants.
Stanfax 234 LCP	29.5	Sodium Lauryl Sulfate	All purpose foamer compatible with many different latex systems. Compatible with most anionic, non-ionic, and amphoteric surfactants. Low Cloud Point.
Stanfax 238	27.5	Ammonium Lauryl Sulfate	All purpose foamer compatible with many different latex systems. Compatible with most anionic, non-ionic, and amphoteric surfactants. Performs as Stanfax 234 but contains no "hard" alkali.
Stanfax 320	36	Ammonium Stearate	Premier foaming agent used in acrylic foam coatings, caulk adhesives, upholstery, drapery. Many specialty uses; filler coatings, filter media saturant, intermediate to metal stearates.
Stanfax 388	30	Lower Total Ammonium	

FOAM MODIFIERS, EMULSIFIERS, WETTING AGENTS

Stanfax 1	18	Potassium Oleate	All purpose Tall Oil based natural soap. Foamer, emulsifier, viscosifier, lubricant, foam machine lubricant
Stanfax 318	33	Disodium Octadecyl Sulfosuccinimate	Outstanding foam stabilizer used with many different latex systems and compatible with primary foamers listed above. Product also exhibits unique wetting and emulsifier properties in other applications.

SPECIALTY BLENDS

Surfactant blends specially formulated to meet the diverse coating needs of a broad range of latex applications. Effective with SBR, EVA, (VAE), Acrylic, SBR-carboxylated, and many other aqueous latex dispersions. Compatible with most fillers, thickeners, and auxiliaries. Designed to be both cost effective and efficient at low usage levels, these products provide the formulator with a full range of coating capabilities. Royal Adhesives and Sealants will also produce specialty blends to your specification or formulate to your specific application.

Product	Active	CFTA/Chemical Name	Typical Applications
Stanfax 525	33	Proprietary Blend of Surfactants and Dispersants	High efficiency foamer, which provides excellent foam stabilization properties, viscosity builder. Enhances froth viscosity and rheological properties.
Stanfax 167-M	35	Proprietary Blend of Surfactants and Dispersants	Premium foaming efficiency, combined with high level of foam stabilizer properties, viscosity builder. Enhances froth viscosity and rheological properties.
Stanfax 509	31	Proprietary Blend of Surfactants and Dispersants	Moderate foaming efficiency, very high level of foam stabilization properties.
Stanfax 561	26	Proprietary Blend of Surfactants and Dispersants	Enhanced foaming properties designed for commercial coating applications where bundle penetration is desired.
Stanfax 565	29	Proprietary Blend of Surfactants and Dispersants	High efficiency foamer, which provides excellent foam stabilization properties, viscosity builder. Enhances froth viscosity and rheological properties.

PRIMARY FOAMERS / SPECIALTY BLENDS

SODIUM POLYACRYLATE THICKENERS

Versatile, effective, efficient, aqueous polymer solutions designed to provide thickening, suspending, coating, and unique rheological properties for a host of applications. Uses include primary and secondary thickening of coatings, adhesives, grouts, dispersions, suspensions; thickening of liquid solutions applied by spray application; and as protective colloids and particle coatings in specialty products. The broad product selection provides the formulator with a high degree of flexibility in determining the best choice for each application. Sodium polyacrylates are finished viscous solutions.

Product	Active	FDA Clearances
Paragum T-111	15	175.105
Paragum 184	13	175.105, 176.170, 176.180
Paragum 241	13	
Paragum 341 (APEO Free)	13	
Paragum 247	13	175.105, 176,180
Paragum 288	10.5	
Paragum 390 (APEO Free)	14.5	
Paragum 277	12.5	176.18
Paragum AM-12	15	



Application Information

Thickening of coatings, adhesives, sizes, and dispersions used in upholstery, drapery, carpet, paper, paint, wallpaper, printing, textile, and related industries.

Thickening of suspensions, slurries, dispersions of inorganic color pigments, mineral fillers, and clays.

Thickening of liquid products applied by spraying, including defoamers and cleaning products.

Secondary thickening agents used to impart unique rheology properties to a formulation.

Particle coatings and temporary coating vehicles removeable by water rinse.

Primary thickening agents in defoamers.

Specially formulated to incorporate the performance attributes of the products above with the added benefit of built in extra thickening efficiency for EVA (VAE) lattices.

Paragum AM-12 is a synthetic resin solution polymer and an anti-migrant designed for pigment pad baths, dyeing cotton and polyester/cotton



ALKALI-SWELLABLE POLYACRYLATES

Alkali swellable polyacrylates are low viscosity liquids which rapidly convert to flowable viscous solutions when diluted and neutralized with an appropriate base such as ammonium hydroxide or caustic. As such they can be converted to the finished thickener when needed or incorporated into low pH formulations and thickened "in-situ" to the desired viscosity.

Product	Active	FDA Clearances	Application Information
Paragum 500	35	175.105	Excellent all-purpose in-situ acid type thickener, "short" rheology, clear gel. Workhorse acrylic coatings thickener, used in defoamer.
Paragum 511	20	175.105	Superior all-purpose in-situ acid type thickener, "stringy" rheology, clear gel. Used in conjunction with Paragum 500 to achieve the exact blend of rheological properties.
Paragum 109	35	175.105, 176.170, 176.180	Intermediate rheology in-situ type thickener. Gentle thickening action.
Paragum 525	30		Associative in-situ acid type thickener. High efficiency, effective in diverse applications, including carpet, wood, and tile adhesives.
Paragum 530	35		Associative in-situ acid type thickener. High efficiency, effective in diverse applications, including carpet, wood, and tile adhesives.
Paragum 600 (APEO Free)	35		APE Free. Used in an "in-situ" thickener by adding directly to the material to be thickened. Performs effectively in a broad range of latices, coatings, adhesives, dispersions, and solutions. Ease of handling and processing, safety, thickening, efficiency, and consistency combine with its unique short "buttery" flow characteristics to give the formulator broad latitude and flexibility in product design.
Paragum 601 (APEO Free)	20		APE Free. Used in an "in-situ" thickener by adding directly to the material to be thickened. Performs effectively in a broad range of latices, coatings, adhesives, dispersions, and solutions. Ease of handling and processing, safety, thickening, efficiency, and consistency combine with its unique "stringy" or viscoelastic flow characteristics to give the formulator great latitude and flexibility in product design.

*With limitations. Note: FDA clearances as per CFR Title 21. Products listed meet the part and section(s) cited but have not been tested specifically in every application.



SODIUM POLYACRYLATE THICKENERS / ALKALI-SWELLABLE POLYACRYLATES

RUBBER VULCANIZATION AND CURE PRODUCTS

CUSTOM CURE PACKAGES (CP)

Royal Adhesives and Sealants custom blends multiple component cure packages to your specification. CP's are not limited to the listed ingredients and we offer formulating expertise where questions may arise. Cure packages are assigned exclusively to the customer and formulations are confidential.

Royal Adhesives and Sealants uses only high quality raw materials processed under tight manufacturing controls. Critical items are ground as required to insure optimum product performance.



VULCANIZATION PRODUCTS

Product	Active	CTFA/Chemical Name	Typical Applications
Paracure SUL-62	62	Sulfur	Ground sulfur dispersion for enhanced product physicals.
Paracure ZMBT-50	50	Zinc Mercaptobenzothiazole	Ground ZMBT dispersion with enhanced activity, superior to general-purpose grades.
Paracure ZOI-52	52	Zinc Oxide	General all-purpose zinc oxide dispersion suitable for most vulcanization applications.

GELLING AGENTS

Product	Active	CTFA/Chemical Name	Typical Applications
Paracure SSF-30	30	Sodium Silicofluoride	Specialty gelling agent for latex/SBR latex coatings.



AUXILIARY SPECIALTIES

LATEX ANTIBLISTER/CURE ASSISTS

Product	Active	CTFA/Chemical Name	Typical Applications
Product 2134	42		Effective antiblister agent for latex coatings.
Stanfax 700	30	Sodium Lauriminodipropionate	High quality amphoteric surfactant with a broad array of useful, practical functions and applications including all purpose liquid cleaners, germicidal cleaning solutions, foam stabilization, hard surface cleaners, alkaline soak cleaners.
Stanfax MO	30	Myristamine Oxide	Enhances foam properties, viscosity modifier, antistatic properties, hair conditioning properties, acid & alkali stability. Used in personal care, and household and industrial and institutional (HI&I) products applications.





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